Daily Diary Report by Bid Item

Contract No.: **04-0120F4**
Diary #: **147** **Const Calendar Day:** 385 **Date:** **28-Sep-2010** **Tuesday**
Inspector Name: **Bruce, Matt** **Title:** **Transportation Engineer**
Inspection Type: Continuous
Shift Hours: 06:30 am 05:00 pm **Break:** 00:30 **Over Time:** 02:00
Federal ID:
Location:
Reviewer: **Mathur, Lalit** **Approved Date:** 24-Jan-11 **Status:** Approved

04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge

Weather

Temperature **7 AM** 70 - 80 **12 PM** 80 - 90 **4PM** 70 - 80
Precipitation 0.00" **Condition** Sunny.

Working Day ☑ If no, explain:

Diary: Dispute ☐

Work description.

- Due to the transgressions yesterday evening I was onsite at the beginning of the shift to assess the condition of the prep work. Brian Boal and Bob Brignano accepted the condition of the concrete surface late in the afternoon yesterday. I informed ABF superintendent Scott Smith that the surface was acceptable based on the Brian and Bob's evaluation. However I informed him that grease needed to be applied to the Macalloy rods for corrosion protection.

Apparently there was some confusion yesterday regarding this requirement. Prior to the placement of the North W2W Hinge K pipe beam assembly I approved the condition of the Macalloy rods. I did have ABF laborers clean a few additional areas on the concrete prior to erection. I discussed the expectations with ABF superintendent Scott Smith for the concrete surface and Macalloy rods so that there was no confusion. I recommended cleaning the concrete surface with a powerwasher or grinder sanding blade to increase the quality of the concrete surface since using a wire brush isn't the best method to clean the debris from the surface.

I explained to Scott and ABF engineer Zach Lauria the importance of achieving a proper bond between the concrete and grout. The quality of cleaning concrete surface for the North W2W Hinge K pipe beam assembly was marginal. However it was cleaned and the shear keys in the concrete and the grid pattern etched in the base plate of the Hinge K pipe beam assembly should provide enough shear resistance.

After the first Hinge K pipe beam erection was completed at noon the ABF ironworkers and laborers prepared for the South W2W Hinge K pipe beam erection. I monitored the work until 4:30pm to help facilitate the crew so that the pipe beam could be erected without delay. Overall the erection of the North W2W Hinge K pipe beam was successful with no major issues to my knowledge during the operation.

- See Lalit's diary for ABFs labor, equipment, and operations related to the North W2W Hinge K pipe beam assembly erection.

04-0120F4 **Bid Item:** **048** **0-W2C-CLO.048** **W2 Cap Closure Bar reinforcing steel (bridge)**
REGIONAL STEEL CORP.

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor:	REGIONAL STEEL CORP.							
Ironworker	GEN	LANCE GAIGE	1.00	0.00	0.00	1.00		☐

Diary: Dispute

048

Daily Diary Report by Bid Item

Job Name: 04-0120F4 **Inspector Name:** Bruce, Matt **Diary #:** 147 **Date:** 28-Sep-2010 Tuesday

Work description. 0-W2C-CLO.048 ☐

- Was onsite to assess the condition of the lower bikepath pedestal blockouts located on the south end of the W2 cap beam. ABF project manager Jim Davidson called for a field meeting with myself and Lance to address the issue of the rebar at both pedestals. I basically informed Jim and Lance that due to the suspect conditions of the rebar that an RFI needed to be written so TY-Lin could analyze the situation.

Attachment

ABF ironworkers had to use comealongs to carefully guide the pipe beam assembly over the Macalloy rods without damaging the rod threads.

Four cracks were observed at the concrete face prior to the North W2W Hinge K pipe beam assembly erection.

ABF in the process of positioning the North W2W Hinge K pipe beam assembly over the Macalloy rods embedded in the concrete at the W2 cap beam.

ABF ironworkers trying to remove a PVC guide pipe in the lower north corner. The whole assembly had to be pushed back in order to remove the PVC pipe.

A check was made to see if any of the Macalloy rod threads were damaged during erection. No damage was seen.

Continuing to pull the pipe beam assembly closer to W2. It appeared that the grease on the rods assisted the ironworkers pulling the pipe beam.

The first Hinge K pipe beam assembly erection was completed at noon.

Rust seen on the threads of a Macalloy rod, overall the rods appeared to be in good shape with no or minimal rust.

ABF ironworkers and laborers applying grease to the exposed portions of the Macalloy rods along the entire length of the rod.

ABF in the process of positioning the North W2W Hinge K pipe beam assembly over the Macalloy rods embedded in the concrete at the W2 cap beam.

Concrete surface for the North W2W Hinge K that was cleaned by ABF laborers yesterday afternoon with a wire brush.

The Macalloy rods were mistakenly cleaned yesterday after the Denso tape and paste was removed. The rods needed to be greased for corrosion protection

ABF beginning to position the North W2W Hinge K pipe beam assembly over the Macalloy rods embedded in the concrete at the W2 cap beam.

Erection of the North W2W Hinge K pipe beam assembly began at 9:30am after the concrete surface and Macalloy prep work was completed.